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Washington, D.C. 146,198

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copy rec'd OSI - 40 Oct 61
Steve Kunionisky

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NLL 5828.4F (11837)

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THE EFFECT OF ALUMINA GEL ON THE PROPERTIES
OF ENAMEL SLIPS. Pt. 3 of Study of the Properties of
Enamel Slips. [1962] 5p. (figs. tables refs. omitted).
Order from OTS or SIA \$1.10 62-16920

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p. 699-704.

DESCRIPTORS: *Gels, *Aluminum compounds,
Hydroxides, *Enamel coatings, *Feldspar, Elasticity,
Stability.

(Chemistry--Physical, TIT, v. 9, no. 1)

I. Azarov, K.
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III. Title: Study ...

Office of Technical Services

Tumanskii, S. S.
PREPARATION OF PARAFFIN EMULSIONS BY
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[1963] [8p] 4refs
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no. 1/2, p. 105-110.
Another trans. is available from LC or SLA mi\$1.80,
pb\$1.80 as TT-60-18319 [1960] [8]p.

DESCRIPTORS: *Waxes, *Colloids, Magnetostriction,
Oscillators, Synthesis (Chemistry).

For abstract see Chemical Abstracts 33: 8470, 1939.

(Chemistry--Physical, TT, v. 11, no. 3)

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Physicochemical Principles of Flotation of Native Metals. II. The Influence of Adsorption of Fatty Acids and Soaps on the Wettability of Platinum, Gold, Silver and Copper, by L. R. Solov'eva, 24 pp.

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7 pp

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I. S. Artemov

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Physicochemical Nature of Heterologous
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CIA/PDD X-2665

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Sci - Physics
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Structure-formation in Aqueous Suspensions of
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NLL Ref: 5196 (1447)

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NLL 9091.9 1964(44), in loan

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Scientific - Fuels
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Also Assoc Tech Serv
RJ-8

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Zhukov, I. I. and Fridrikhsberg, D. A.
ELECTROKINETIC CHARACTERISTICS OF CAPIL-
LARY SYSTEMS. I. SURFACE CONDUCTANCE.
[1963] [17p] 11 refs
Order from OTS, SLA, or ETC \$1.60 TT-63-20814

Trans. of [Kolloidnyi Zhurnal (USSR) 1949, v. 11,
no. 3, p. 163-171]. (Abstract available)

DESCRIPTORS: *Porous materials, Ceramic
materials, Cellulose nitrates, *Diaphragms
(Mechanics), *Electroosmosis, Surface properties,
Density.

As result of the measurement of the surface con-
ductance on collodion (r from 4 to 50 mμ) and ceramic
diaphragms in solutions of 1, 2, 5, 10 m-mol./l KCl it
is shown that the ratio of the solution conductance in
the pores of the diaphragm to the conductance of the
surrounding solution can attain very high values ($\alpha < 7$)
(Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20814

- I. Title: Capillary systems
- I. Zhukov, I. I.
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- III. Title: Surface ...

Office of Technical Services

Desorption of Gases From Wetted Powders, by
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Assoc Tech Sv RJ-1

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LECULAIRE KRACHTEN BIJ HET MECHANISME VAN
HOOGELASTISCHE DEFORMATIE. I. INTERMOLE-
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ELASTISCHE DEFORMATIES. (The importance of
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elastic deformation, I. Molecular mechanism and an
equation for the kinetics of high-elastic deformation).
14 p. 13 refs. MTWL: 463. (Text in Dutch).
Order from OTS or ETC \$1.85

61-17028

Trans. of Kolloidnyi Zhurnal (USSR) 1949, v. 11,
no. 5, p. 314-321.

DESCRIPTORS: *Elasticity, *Deformation, *Molecu-
lar Structure.

61-17028

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pp. 377-383.

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Order from OTS or SLA \$2.60 63-18998

Trans. of Kolloidnyi Zhurnal (USSR) 1949, v. 11,
p. 395-409.

DESCRIPTORS: *Porous materials, *Diaphragms
(Mechanics), *Colloids, Ceramic materials, *Ions,
*Transport properties, Kinetic theory, *Electrical
double layer, Electrical conductance, Surface prop-
erties, *Electroosmosis, *Electrodialysis,
Electrolysis.

The relation between transfer numbers and surface
conductivity is derived and is confirmed by the
experimental data on collodion and ceramic diaphragms
in solutions. The theoretical consequence of the
(Chemistry--Physical, TT, v. 10, no. 12) (over)

63-18998

I. Zhukov, L. I.
II. Fridrikhsberg, D. A.

Office of Technical Services

Determination of the Characteristic Function of a
Stationary Flow Using the Capillary Method in the
Case of Slip Along the Wall, by D. M. Tolstoi

Full translation.

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pp 62-66.

AEC Tr 1609

Also British Sci Mus No 52/1638
Scientific - Chemistry Jun 53 CTS/DEX

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Adsorption of Non-Electrolyte Molecules by Proteins,
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Nat'l Res Council Canada TT 267

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The Heat of Solution of Nitrocellulose Films Obtained
From Solutions of Various Concentrations, by S. M.
Lipatov and S. I. Meerson. UNCLASSIFIED

Full translation.

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430.

Navy Tr 641/NOES (Inyokera)

Sci - Chemistry

Jul 52 CTS

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RT-676

Adhesion of Quartz Threads in Aqueous Media, by
A. D. Malkina, E. V. Deryagin.

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NLL M 5049

Sci - Chem
Mar 63

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RUSSIAN, PER, KOLLOID ZHUR, VOL XIII, NO 1, 1951, PP 38-45.

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3300. Preparation of vinyl esters. Patent
literature. Kolloid Z., 123, p.40-51, 1931. (43p.)

Fundamental Equations of the Rheology of a
Viscoplastic Medium, by N. V. Tyabin, 12/7/52.

Full translation.

RUSSIAN, Kolloid Zhur, 1951, Vol 13, No 1,
pp 56-63.

Sci Mus Lib No 52/1359

Scientific - Chemistry

List No 23, August 1952

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The Effect of Tanning on Changes in the Properties of
Proteins During Grinding, by N. K. Barenboim.

Full translation.

RUSSIAN, bimo per, Kolloid Zhur, Vol XIII, USSR,
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AEC Tr 136K

Scientific - Chemistry, Proteins.

Sep 52 CTS/DEK

S. S. Vayutskiy, A. M. Panich, and K. A. Bal'yakov

Study of the mechanism of the galling of latex. II.
Microscopic study of structural change with galling,
6 pp. RUSSIAN per, Kolloidnyi Zhurnal, 1951, Vol 13,
No.2, pp 89-93

Sci Museum Lib No 52/1014

Sci Mus Lib - Nat Mus

Effect of Surface-Active Admixtures on the
Crystallization of Normal Paraffins, by N. G.
Goldenberg, T. P. Zhuze, 16 pp.

RUSSIAN, per, Kolloid Zhur, Vol XIII, 1951, pp 175-181.

SLA Tr R-614

Sci - Chemistry, fuels
Oct 57

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Effect of Coagulation of Colloidal Aluminium and
Ferric Hydroxides Upon Changes in Their Surface
Accessibility, by A. M. Koganovskiy.

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pp 293-298.

DSIR LLU RTS 1484

Sci - Chem

Aug 60

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The Question of the Nature of Flow of Structured Systems, by V. L. Valdman, 12 pp.

Full translation.

RUSSIAN, Kolloid Zhur, 1951, Vol 13, No 5,
pp 327-332.

Sci Mus Lib No 52/3276

Scientific - Physics

27 December 1952

On the Structure Viscosity of Cement Paste, Cement
Mortar and Concrete Mixes, by A. Ye. Denov.

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1951, pp 346-356.

Co-op Tr Sc 59

Sci Index Sub 55/3089

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Apr 54 CTS

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Chernenko, L. Ye., Markovich, V. Ye., and
Vetkina, L. S.
STRUCTURE FORMATION DURING THE PROCESS-
ING OF CHOCOLATE MASSES AND THE INFLU-
ENCE OF DILUENTS (Strukturobrazovaniye v
Protsessakh Pererabotki Shokoladnykh Mass i
Vliyaniye Razzhizhiteley). Apr 61 [7]p. 4 refs.
RTS 1766.

Order from OTS or SLA \$1.10

61-19688

Trans. of Kolloidnyi Zhurnal (USSR) 1951, v. 13,
no. 5, p. 379-382.

DESCRIPTORS: *Cocoa, Processing, *Oils.

(Food, TT, v. 6, no. 2)

61-19688

- I. Chernenko, L. Ye.
- II. Markovich, V. Ye.
- III. Vetkina, L. S.
- IV. RTS-1766
- V. Department of Scientific
and Industrial Research
(Gt. Brit.)

109637

Office of Technical Services

Gelatinised Emulsions IX the Standard Method of
Emulsification, by L. Ya. Kremnev.

RUSSIAN, per, Kolloid Zhur, ~~22~~ Vol XVIII, No 5,
1951, pp 394, 395.

NLL RTS 2025

Sci - Chem

Elasto-Plastic Properties of Calcium Stearate Oleogels, by Ye. Ye. Segalova.

RUSSIAN, per. Kolloidnyy Zhurnal, Vol 13, No 6, 1951, pp 461-472.

Ly Comm 1448

CIA X-7059

NLC Ref: 5196 (1448)

July 69

9
386,231

Agency: ABC/NY
P.O. #70-2200

R-10982-8
29 Oct. 69

Title: Formation of supersaturated steam
and aerosol for a mixture of gases
containing steam and having a
different temperature.

Author: A.C. Amelin

Source: KOLLOID ZHUR

Language: Russian

11pp

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